

DATA TRANSCIVING APPARATUS OF NON-CONTACT TYPE CARD

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Abstract of KR 20020073215 (A)

PURPOSE: A data transceiving apparatus of a non-contact type card is provided to transceive data to all cards satisfying ISO14443 type B standard. **CONSTITUTION:** A clock generating unit(100) receives a main clock of 13.56MHz and supplies clocks of 847MHz and 106KHz being required at a data transmission unit(200), a reception data frame detection unit(300) and a reception data conversion unit(400). The data transmission unit(200) is connected to the clock generation unit(100), converts byte data into bit data, adds signals(SOF, EOF) notifying the start and the finish of a frame to the front and the rear of a data frame to be transmitted and transmits the data with 106Kbps serially. The reception data frame detection unit(300) is connected to the clock generating unit(100), detects a valid frame (that is, the start and the finish of the frame) from the received data. ; The reception data conversion unit(400) is connected to the clock generating unit(100) and the reception data frame detection unit(300), synchronizes the received data frame serially with 106KHz, converts the data into byte data and loads the converted byte data to a data bus or a port.

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